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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/607,758	06/27/2003	Jae-Hyun Ryou	H0004788 7402		
22913	7590 04/20/2006		EXAMINER		
WORKMAN NYDEGGER (F/K/A WORKMAN NYDEGGER & SEELEY) 60 EAST SOUTH TEMPLE 1000 EAGLE GATE TOWER SALT LAKE CITY, UT 84111			NGUYEN, TUAN N		
			ART UNIT	PAPER NUMBER	
			2828		
			DATE MAILED: 04/20/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.



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			EXAMINER		
			ART UNIT	PAPER	
				03232006	
			DATE MAILEI	<b>D</b> :	

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**Commissioner for Patents** 

See attached examiner's amendment

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Application/Control Number: 10/607,758 Page 2

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## **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below, to the amended claims 5-8 should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no latter than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview on March 6, 2006 with (Attorney for Applicant Mr. Kevin Stinger, Reg. No. 48,959).

- 5. (Currently Amended) The VCSEL of claim 111, further comprising a thermally conductive material connected to said thermally conductive cover layer.
- 6. (Currently Amended) The VCSEL of claim 5, wherein said top second mirror comprises InP based material.
- 7. (Currently Amended) The VCSEL of claim 6, wherein said—top second mirror is designed for reflecting some radiation having a wavelength be 1200 and 1800 nanometers (nm).
- 8. (Currently Amended) The VCSEL of claim 7, wherein said thermally conductive-cover layer comprises a material from a group of GaP, SiN, AlN, BN, SiC, diamond, and the like.

## **Communication Information**

Art Unit: 2828

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan N Nguyen whose telephone number is (571) 272-1948. The examiner can normally be reached on M-F: 7:30 - 4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Harvey Minsun can be reached on (571) 272-1835. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tuan N. Nguyen

Tuan Nguyer

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